



Abstract

An auxiliary handle hinge assembly for shovels with a fixed or adjustable auxiliary length handle to connect to the shaft near the blade end of the shaft. This assembly can be raised by making the base template plate to be clamped to the shaft by bending two 90 degree angles and clamping the assembly to the shovel main shaft. It can also be made to be bolted directly to the shovel main shaft where the baseplate assembly would be shorter in length than the raised optional clamped hinged assembly. The auxiliary handle is secured to the main handle by ceramic magnet on the main handle, and a magnetic attraction metal bolted to the auxiliary handle. The hinge is bolted to the base template plate by one bolt, becomes a swivel hinge assembly. A secondary bolts through the hinge and base plate converts the swivel hinge into a non-swivel hinged assembly. In the swivel mode the the secondary handle hinge assembly can rotate in any direction except counter clockwise of clockwise. This stabilizes the wrist in the lift mode, and the auxiliary handle lessens back stress during the lifting process.